

Appl. No. 10/781,887  
Amdt. Dated November 30, 2004  
Reply to Office Action of September 7, 2004

**Amendments to the Drawings**

Please add new drawings marked as Figures 6a – 6c attached hereto to the  
Figures of record.

Attachment:           3 new drawing sheets

**REMARKS**

Claims 1-18 are pending in this application. The Examiner has rejected claims 1-6 and claims 12-16, and has objected to claims 7-11 and claims 17-18. It is respectfully noted that the Examiner has acknowledged claims 7-11 and 17-18 as being directed to allowable subject matter, and reasons for the indication of allowable subject matter were given in paragraph 11 of the Detailed Action.

**Claims**

**Claims 1-6** have been cancelled.

The Examiner has indicated that **claims 7-11** would be allowable if rewritten in independent form including all of the limitations of the base claim. Accordingly, claims 7, 8 and 10 have been so rewritten. Claims 9 and 11 remain dependent on claims 7 and 10 respectively.

**Claims 12-13** have been amended to incorporate features relating to the allowable subject matter. In particular, claim 12 has been amended to clarify that with respect to an evaluation board with a substrate having two surfaces, each surface having a plurality of board pad patterns formed on it and each board pad pattern comprising at least one board pad, at least some of the board pad patterns are arranged in a matrix wherein at least one of the size and the pad-to-pad spacing of board pads in adjacent board pad patterns progressively changes. Claim 13 is now made dependent on claim 12. It is respectfully submitted that claims 12-13 are now in the form for allowance for the reasons provided at paragraph 11 of the Examiner's Detailed Action.

Similarly, **claim 14** has been amended to incorporate features relating to the allowable subject matter. In particular, claim 14 has been amended to clarify

that with respect to evaluation boards with a substrate having a surface where a plurality of board pad patterns is formed on the surface, and wherein each of the board pad patterns includes one of an area-filled board pad or a plurality of board pads, at least some of the board pad patterns are arranged in a matrix wherein at least one of the size and the pad-to-pad spacing of board pads in adjacent board pad patterns progressively changes. It is respectfully submitted that claim 14 is now in the form for allowance for the reasons provided at paragraph 11 of the Examiner's Detailed Action.

**Claims 15-16** have been cancelled.

The Examiner has indicated that **claims 17-18** would be allowable if rewritten in independent form including all of the limitations of the base claim. Accordingly, claims 17 and 18 have been so rewritten, with redundant terms recited in intervening claims removed. New **claim 19** has been added based on the limitation of claim 18, but made dependent on claim 17.

The feature originally recited in claim 2 (now cancelled), is represented in new **claims 20-23**, made dependent on claims 7, 8, 10, and 14 respectively. These claims are more specifically directed to evaluation boards having board pad patterns that contain a plurality of board pads, where the board pads within each board pad pattern have a uniform shape, size and pad-to-pad spacing.

Similar to amended claim 13, which describes a particular embodiment of a double-sided evaluation board and is dependent on claim 12, new **claims 24-25** describe other embodiments of double-sided evaluation boards and are also dependent on claim 12. These embodiments of double-sided evaluation boards are discussed at paragraph [0035] of the specification. It is respectfully submitted that new claims 24-25 are in the form for allowance for the same reasons provided above with respect to claim 12.

### Drawings

In paragraph 1 of the Examiner's Detailed Action, the Examiner raised an objection to the drawings under 37 CFR 1.83(a). Specifically, the Examiner indicated that the two surfaces of the substrate as claimed in claims 12-13 must be shown in the drawings. Accordingly, the Figures have been amended to add new Figures 6a, 6b and 6c to the application. The new Figures are based on subject matter clearly and explicitly described in paragraph [0035] of the specification as filed. No new matter is being entered by way of this amendment. To reflect this amendment to the Figures, paragraphs [0027], [0028] and [0035] of the specification have been amended, and new paragraph [0028.1] has been added. Withdrawal of the Examiner's objection is respectfully requested.


### Title

In paragraph 2 of the Examiner's Detailed Action, the Examiner objected to the title of the invention. The title has been amended in response. Withdrawal of the Examiner's objection is respectfully requested.

The Applicants respectfully submit that each of claims 7-14 and 17-25 are now in form for allowance. A Notice of Allowance is respectfully requested.

Respectfully submitted,

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